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US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.: UCF-370
APPLICANT: YUHUA LI, et al.
FOR: ALL-OPTICAL REGENERATION
SERIAL NO.: 10/661,184
LIST OF ART CITED BY APPLICANT

U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS / SUBCLASS
MM/M	AA 3,566,128	02/23/1971	Arnaud	250/199
	AB 5,828,478	10/27/1998	Thomine, et al.	359/181
	AC 5,933,265	08/03/1999	Nagarajan	359/189
	AD 6,078,416	06/20/2000	Yano	359/158
	AE 6,108,125	08/22/2000	Yano	359/344
	AF 6,141,129	10/31/2000	Mamyshev	359/176
	AG 6,201,621	03/13/2002	Desuvire, et al.	359/158
	AH 6,335,819	01/01/2002	Cho, et al.	359/333
MM/M	AI 6,437,320	08/20/2002	Yoshida, et al.	250/227.11

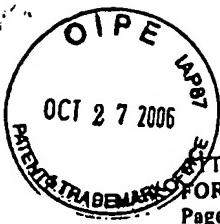
PUBLISHED PATENT APPLICATIONS

MM/M	PA 2001/0013965A1	08/16/2001	Wantanabe	359/161
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FOREIGN PATENT DOCUMENTS

MM/M QAL Hirkazu Kubota, Masataka Nakazawa, "Soliton Transmission Control in Time and Frequency Domains," IEEE Journal of Quantum Electronics, Vol. 29, No. 7, July 1993 pp. 2189-2197.

MM/M EAZ J.P. Sokoloff, P.R. Prucnal, I.Glesk, M. Kane, "A Terahertz Optical Asymmetric Demultiplexer (TOAD)," IEEE Photonics Technology Letters, Vol. 5, No. 7, July 1993 pp. 787-790



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EXAMINER

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- MPM OA3 Kyo Inoue, "Suppression of Signal Fluctuation Induced by Crosstalk Light in a Gain Saturated Laser Diode Amplifier," IEEE Photonics Technology Letters, Vol. 8, No. 3, March 1996, pp. 458-460.
- OA4 R.J. Manning, A.D. Ellic, A.J. Poussie, K.J. Blow, "Semiconductor laser amplifiers for ultrafast all-optical signal processing," J. Opt. Soc. Am. B, Vol. 14, No. 11, November 1997, pp. 3204-3216.
- OA5 Yoshiyasu Ueno, Shigeru Nakamura, Kazuhito Tajima, Shotaro Kitamura, "3.8-THz Wavelength Conversion of Picosecond Pulses Using a Semiconductor Delayed-Interference Signal-Wavelength Converter (DISC)," IEEE Photonics Technology Letter, Vol. 10, No. 3, March 1998, pp. 346-348.
- OA6 K.S. Jepson, A. Buxens, A.T. Clausen, H.N. Poulsen, B. Mikkelsen, K.E. Stubkjær, "20Gbit/s optical 3R regeneration using polarization-independent monolithically integrated Michelson interferometer," Electronics Letters, March 5, 1998, Vol. 34, No. 5, pp. 472-476.
- OA7 P. V. Mamyshev, "All-Optical Data Regeneration Based on Self-Phase Modulation Effect," European Conference on Optical Communication, September 20-24, 1998, Madrid Spain, pp. 475-476.
- OA8 A.E. Kelly, I.D. Phillips, R.J. Manning, A.D. Ellis, D. Nasset, D. G. Moodie, R. Kashyap, "80 Gbit/s all-optical regenerative wavelength conversion using semiconductor optical amplifier based interferometer," Electronics Letters, August 19, 1999, Vol. 35, No. 17, pp. 1477-1478.
- OA9 Pak S. Cho, Daniel Mahgerefteh, "All-Optical 2R Regeneration and Wavelength Conversion at 20 Gb/s Using an Electroabsorption Modulator," IEEE Photonics Technology Letters, Vol. 11, No. 12, December 1999, pp. 1662-1664.
- OA10 S. Watanabe, S. Takeda, "All-optical noise suppression using two-stage highly nonlinear fibre loop interferometers," Electronics Letter, Vol. 36, No. 1, January 6, 2000, pp. 52-53.
- OA11 P. Brindel, O. Leclerc, D. Rouvillain, B. Dany, E. Desurvire, P. Nouchi, "Experimental demonstration of new regeneration scheme for 40 Gbit/s dispersion-managed long-haul transmissions," Electronics Letters, Vol. 36, No. 1, January 6, 2000, pp. 61-62.
- MPM OA12 O. Leclerc, P. Brindel, D. Rouvillain, B. Dany, E. Pincemin, E. Desurvire, C. Duchet, A. Shen, F. Blache, F. Devaux, A. Coquelin, M. Goix, S. Bouchoule, P. Nouchi, "Dense WDM (0.27 bit/s/Hz) 4x40Gbit/s dispersion-managed transmission over 10000km with in-line optical regeneration by channel pairs," Electronics Letters, Vol. 36, No. 4, February 17, 2000, pp. 337-338.



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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

OA13 M. Dulk, St. Fischer, E. Gamper, W. Vogt, E. Gini, H. Melchior, W. Hunziker, H.N. Poulsen, A.T. Clausen, A. Buxens, P. Jeppesen, "Efficient regenerative wavelength conversion at 10 Gbit/s over C- and L-band (80 nm span) using a Mach-Zehnder interferometer with monolithically integrated semiconductor optical amplifiers," Electronics Letters, Vol. 36, No. 3, February 3, 2000, pp. 241-243.

OA14 D. Wolfson, A. Kloch, T. Fjelde, C. Janz, B. Dagens, M. Renaud, "40-Gb/s All-Optical Wavelength Conversion, Regeneration, and Demultiplexing in an SOA-Based All-Active Mach-Zehnder Interferometer," IEEE Photonics Technology Letters, Vol. 12, No. 3, March 2000, pp. 332-334.

OA15 J. Leuthold, C.H. Joyner, B. Mikkelsen, G. Raybon, J.L. Pleumeekers, B.I. Miller, K. Dreyer, C.A. Burrus, "100 Gbit/s all-optical wavelength conversion with integrated SOA delayed-interference configuration," Electronics Letters, Vol. 36, No. 13, June 22, 2000, pp. 1129-1130.

OA16 O. Leclerc, B. Dany, D. Rouvillain, P. Brindel, E. Desurvire, C. Duchet, A. Shen, F. Devaux, A. Coquelin, M. Goix, S. Bouchoule, L. Fleury, P. Nouchi, "Simultaneously regenerated 4 x 40 Gbit/s dense WDM transmission over 10,000 km using single 40 GHz InP Mach-Zehnder modulator," Electronics Letters, Vol. 36, No. 18, August 31, 2000, pp. 1574-1575.

OA17 Yikai Su, Lijun Wang, Anjali Agarwal, Prem Kumar, "Simultaneous 3R regeneration and wavelength conversion using a fiber-parametric limiting amplifier," Optical Society of America, 2000, pp. MG41-MG4-3.

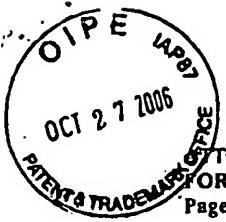
OA18 F. Liu, X. Zhang, R.J.S. Pedersen, P. Jeppesen, "Interferometric crosstalk suppression using polarization-multiplexing technique and an SOA," IEEE Photonics Technology Letters, CLEO 2000, pp. 91-92.

OA19 M. Owen, V. Saxena, R.V. Penty, L.H. White, "10-Gbits/s all-optical 3R regeneration and format conversion using a gain-switched DFB laser," IEEE Photonics Technology Letters, CLEO 2000, pp. 472-473.

OA20 Shigeru Nakamura, Yohiyasu Ueno, Kazuhito Tajima, "168-Gb/s All-Optical Wavelength Conversion With a Symmetric-Mach-Zehnder-Type Switch," IEEE Photonics Technology Letters, Vol. 13, No. 10, October 2001, pp. 1091-1093.

OA21 G. Raybon, Y. Su, J. Leuthold, R-J. Essiambre, T. Her, C. Joergensen, P. Steinurzel, K. Dreyer K. Feder, "40 Gbit/s Pseudo-linear Transmission Over One Million Kilometers," IEEE Photonics Technology Letters, Optical Fiber Communications Conf., 2002, pp. FD101-FD103.

OA22 M. Owen, M.F.C. Stephens, R.V. Penty, L.H. White, "All-Optical 3R Regeneration and Format Conversion in an integrated SOA/DFB Laser," IEEE Photonics Technology Letters, Optical Fiber Communications Conf., 2000, pp. 76-78.



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MPM

OA23 Tomohiro Otani, Tetsuya Miyazaki, Shu Yamamoto, "40 Gbit/s Signal Transmission using Optical 3R Regenerator based on Electroabsorption Modulators," IEEE Photonics Technology Letters, Optical Fiber Communications Conf., 2000, pp. 226-228.

MPM

OA24 G. Raybon, B. Mikkelsen U. Koren, B.I. Miller, K. Dreyer, L. Boivin, S. Chandrasekhar, C.A. Burrus, "20 Gbit/s all-optical regeneration and wavelength conversion using SOA based interferometers," IEEE Photonics Technology Letters, Optical Fiber Communications Conf., 1999, pp 27-29.